

REFERENCE		DESCRIPTION	DATE	APPROVED
MICRO- FILED	LTR			
X				

INTERNAL INVOLUTE SPLINE DATA  
FLAT ROOT SIDE FIT CLASS 5

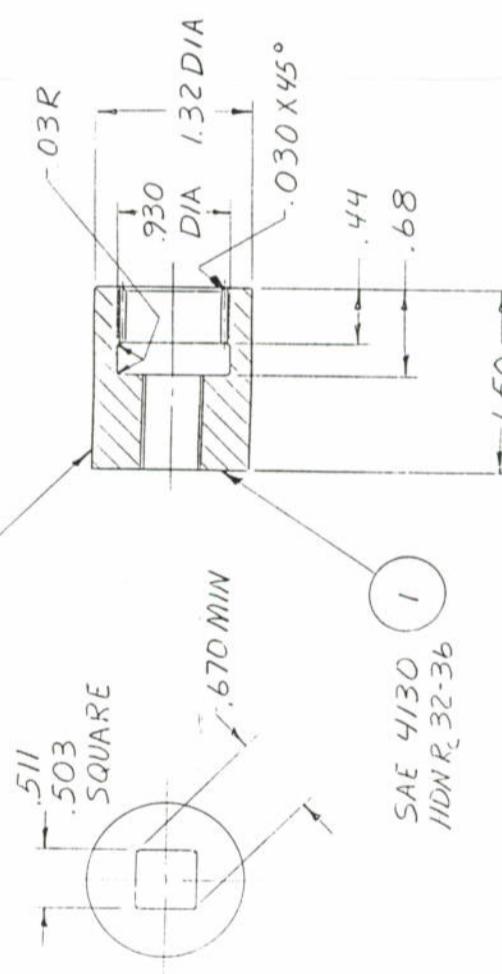
— 6893357	NO. OF TEETH	27
REF	PITCH	32/64
	PRESSURE ANGLE	30°
	BASE CIRCLE D/A	.730709 REF
	MINOR DIA	.813.816
	PITCH DIA	.8438
	MAJOR DIA	.890 MAX
	TOOTH TIP BREAK	.005 MAX
	CIRCULAR SPACE WIDTH	.049/.0518

## GAS PRODUCER AND POWER TURBINE ASSIST-REF

DIMENSION BETWEEN TWO .0540 DIA  
PINS .7670 - .7694

These tool drawings are furnished in accord with the terms of the DDA Tools License Agreement. The aperture cards or drawings are to be maintained in the custody of the recipient and shall not be disclosed to any third party without specific written consent of Detroit Diesel Allison Division of GM.

ETCH PER NOTE /



## NOTES:

MARK AS SPECIFIED IN LOCATION SHOWN  
WITH 1/8 - 3/16 HIGH FIGURES THE FOLLOWING:  
a) THE NAME "ALLISON" FOLLOWED BY THE  
TOOL NUMBER AND LAST CHANGE LETTER.  
b) VENDOR NAME OR TRADEMARK

2. BLACK OXIDE PER AMS 2485

LOCAL SPECS. (REF)			
DRAWING PRACTICE			
SURFACE TEXTURE			
SCREW THREADS			
GENERAL SPECIFICATIONS		SPEC. SUMMARY	
<p align="center"><b>Detroit Diesel Allison</b>            Division of General Motors Corporation            Indianapolis Operations</p>			
<p align="center"> TITLE WRENCH-INSTALLATION AND            REMOVAL GAS PRODUCER TURBINE            FRONT BRG RETAINING NUT</p>			
MODEL (FIRST USAGE)		APPLICATION: SEE SEPARATE PARTS LIST	
SIZE	CODE IDENT	DWG. No.	
C	73342	6893358	
SCALE	Elli		
SHEET			

*BREAK SHARP EDGES. 020 VOS*

UNLESS OTHERWISE SPECIFIED			
TOL. ON ANGLES	$\pm$	/°	APPROVALS
TOL. ON 3 PLACE DECIMALS	$\pm$	.010	DRAWN 1A 5110029444
TOL. ON 2 PLACE DECIMALS	$\pm$	.02	CHECKED BLOCK 1413
MATL.			CHF. DR. J. P. Heslinga
			MET.
SEE ITEM			
DETROIT DIESEL ALLISON			
Division of General Motors Corporation			
Indianapolis Operations			
TITLE WRENCH-INSTALLATION AND			
REMOVAL, GAS PRODUCER, TURBIN			
FRONT BRS, DETAILING, NIT			

<b>USED ON ENGINE MODELS 250 SERIES</b>	<p>UNLESS OTHERWISE SPECIFIED: ALL TRUE POSITION TOLERANCES AND RELATED DATUMS MMC. ALL OTHER FORM AND POSITION TOLERANCES AND RELATED DATUMS RFS. SEPARATE TRUE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCE. RUNOUTS ARE CIRCULAR.</p>
	<p> PROFILE OF A LINE  TRUE POSITION   PROFILE OF A SURFACE  CONCENTRICITY   SYMMETRY</p> <p> DIAMETER   DASH DIM   -A- DATUM IDENT</p>

EACH ITEM PURCHASED SEPARATELY  
MUST BE STAMPED OR ETOCHED WITH  
TOOL NUMBER AND DETAIL NUMBER  
IF SUITABLE OR ATTACH TAG  
IF NOT AVAILABLE

APPLIED MATHEMATICS AND COMPUTATION